Measurement Unit pre-test Scientist \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In our initial unit, we address the mathematical concepts as follows:

1. **Scientific notation** – because we work with really big and really small numbers
2. **Significant figures** – because it is important to determine the amount of rounding needed to accurately report a measurement value
3. **Unit conversions** – because the units of measurements that we need to multiply and divide are not always compatible
4. **Algebraic manipulation** – because much of what when using measurements requires this process
5. **Unit derivation** – because numbers are meaningless if we don’t report them with the proper units
6. **Graphical representation** – because this is often the most powerful way to display measurements and understand their relationships

Before we review these concepts together, test yourself on how much you have learned and remember from math class, and from your previous science classes. Anyone who is in this class should have been asked to do these operations before. Have you retained the ability to use that learning??

You have 30 minutes to complete the following questions. It is not graded, but your end of unit grade will be dependent on your performance here. Do the best you can!